

REMARKS

Applicant, by the amendments presented above, has made a concerted effort to present claims which clearly define over the prior art of record, and thus to place this case in condition for allowance.

In the Office Action, the Examiner rejected the claims citing United States Patent No. 5,424,104 (Amimoto) and Japanese Patent Nos. 11-106570 (Yamamoto) and 09-059431 (Yamamoto et al.).

In Amimoto, there is no positive disclosure concerning the use of “(the) first antioxidant with a melting point of 70-170 °C, and the second antioxidant with a melting point of 180-300 °C, as in the present invention, and the combination of the antioxidants with high and low melting points can provide a method of manufacturing polyolefin-polyamide resin compositions, which method has a large amount of discharge, is capable of long-time running and is excellent in productivity. Therefore, Applicant believes that it is not obvious for a person skilled in the art to achieve the technical means in the art.

Further, in Amimoto et al., in the case that an antioxidant is used, a phosphorus antioxidant must necessarily be included. This fact that a phosphorus antioxidant must necessarily be included as an antioxidant is clear from claims 3 and 4 of Amimoto, which mention “(D) a phosphorus antioxidant”; lines 23 and 24 of column 12 of Amimoto, wherein it is stated that “these phosphorus antioxidants can be used singly or in combination”; lines 30-32 of column 12 of Amimoto, wherein it is stated that “the thermoplastic resin composition of the invention may be incorporated with other antioxidants in addition to the phosphorus antioxidant

(D) as described above”; lines 19-22 of column 12 of Amimoto wherein it is stated that “the thermoplastic resin composition of the invention comprises the specific polyamide (A), graft modified copolymer (B), aliphatic polyamide (C) and phosphorus antioxidant (D) as described above”; and from the fact that a phosphorus antioxidant is necessarily included in Examples 6 to 11, as shown in Table 3 of Amimoto. The statement in lines 11-13 of column 13 of Amimoto that, “These other antioxidants can be used singly or in combination. Of these other antioxidants, particularly preferred is the use of phenolic antioxidants and amine antioxidants in combination”, has the meaning that, in regard to their combination with a phosphorus antioxidant, they may be used singly or in combination.

In addition, since an aromatic polyamide, whose melting point falls within 300 °C and more, is used in Amimoto, a high temperature such as 350-300 °C (column 15, line 6 of Amimoto) is needed to manufacture the composition. Therefore, it is possible to cause scorches in the extruder. On the other hand, in amended claim 1 of the present invention, since polyamide (b) with a melting point of 160-265 °C is used, a comparatively low temperature such as 300°C and below (page 9, line 35 of the present invention) can be used to manufacture the composition. Therefore, it is possible to cause hardly any scorches in the extruder.

In view of the above amendments and remarks, Applicant respectfully submits that the claims of the application are allowable over the rejections of the Examiner. Should the present claims not be deemed adequate to effectively define the patentable subject matter, the Examiner is respectfully urged to call the undersigned attorney of record to discuss the claims in an effort to reach an agreement toward allowance of the present application.

Respectfully submitted,

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